Navy CBR-D

(Chemical Biological & Radiological-Defense)

Protective Equipment Tracking Software

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Background

1991’ During Desert Storm there did not exist an automated shipboard CBR tracking system.

Jan 2001 USS Cole – As part of retrofitting the USS Cole with CBR protective gear, very basic CBR tracking abilities are added to the Damage Control Operating Space Item Management System (DCOSIMS)

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Summer of 2002 - Joint (Army, AF, Navy & Marine Corps) mtg held at Wright Patterson AFB to review AF MICAS system. Navy and Marine Corps announce use of AF MICAS in test projects.

August of 2002 Navy conducts prototype CBR Readiness Improvement Program (RIP) aboard the USS Thach (FFG-43) using both AF MICAS and DCOSIMS

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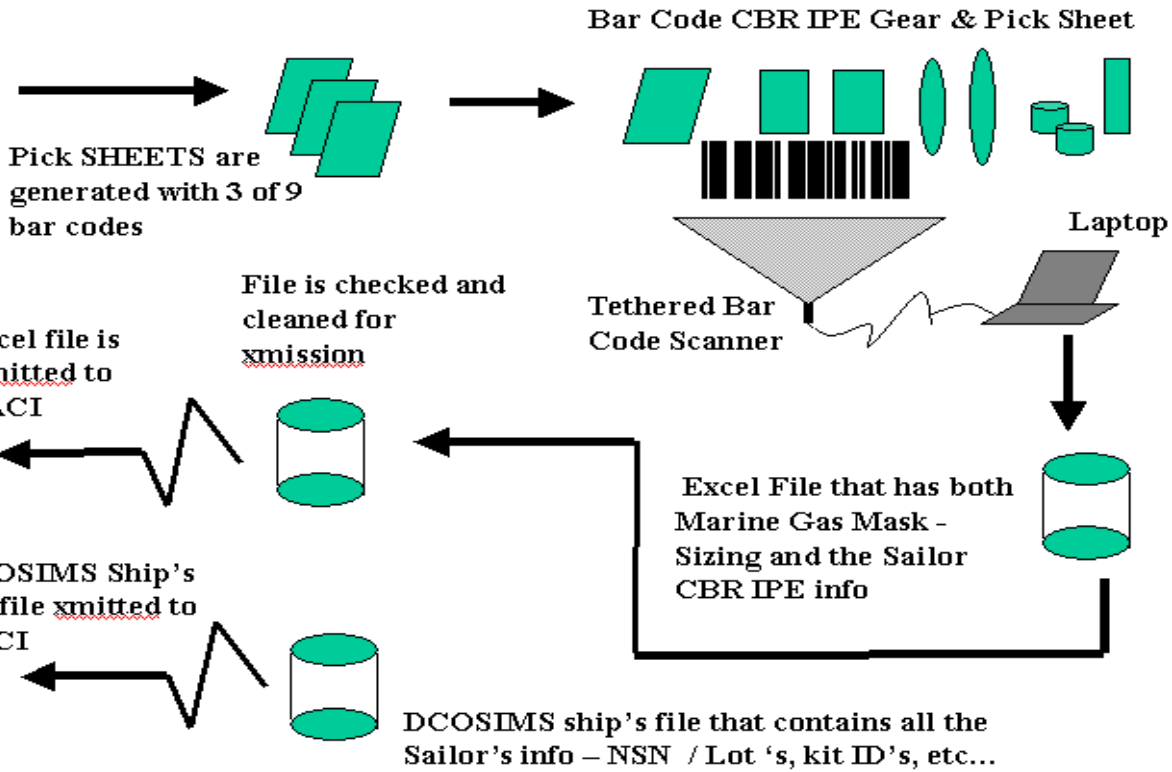
USS Thach (FFG-43) CBR RI
Pilot

Both the AF MICAS and Marine Corps system required major modifications for use aboard Naval ships and were deemed not suitable for shipboard use.

DCOSIMS CBR module is unable to be used for the RIP process, however is chosen as the Navy's ship board system.

Navy CBR-D RIP Pilot expands to include an Aircraft Carrier

USS Carl Vinson (CVN-70) CBR RIP test conducted Sep-Oct 2002 in Bremerton Wash. New automated process developed using bar code scanner, labels and pick sheets for mass kitting of CBR gear to



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Life Raft Monitoring

- **Utilize ATOS AIT technology to monitor life rafts aboard Navy ships.**
  - **Funded by Navy AIT Project Office (APR 03)**
  - **Handheld reader…both barcodes and RFID tags.**
  - **Read/Write active RFID tags.**
  - **Developing OSIMS Life Raft Module (AIS)**
  - **Interface with Web-based Life Raft Database.**
  - **Monitor life rafts and shelf-life contents through entire life cycle.**

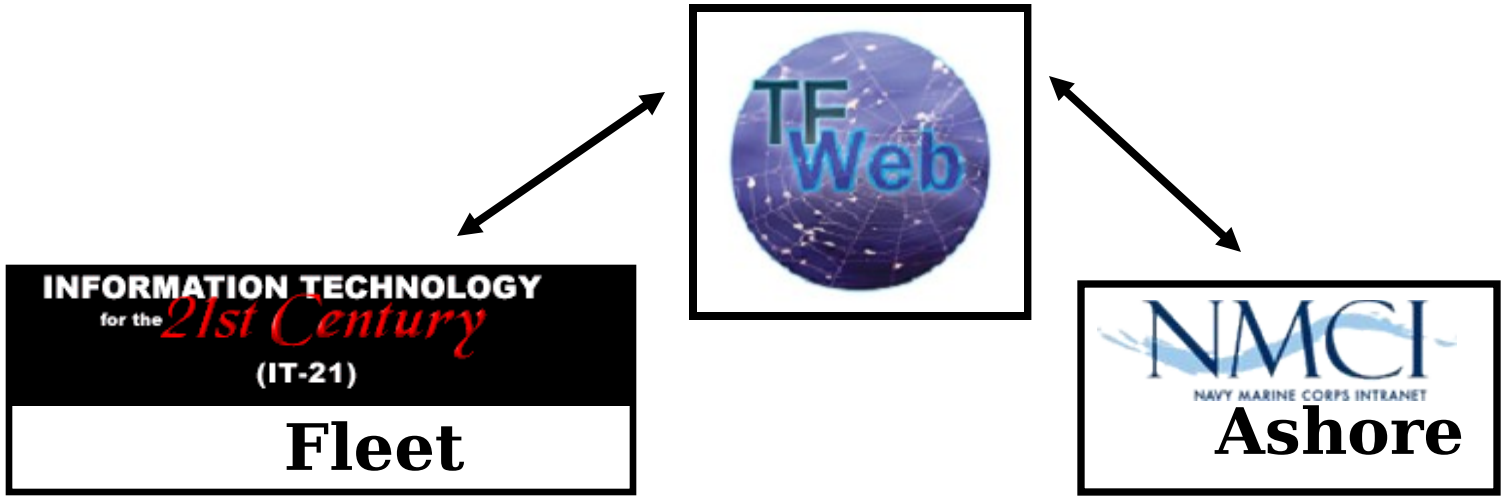
DCOSIMS CBR Software

Dec 2002 DCOSIMS CBR Statement of Work (SOW) developed to address immediate CBR RIP and shipboard improvements for basic inventory tracking capabilities.

Feb 2003 DCOSIMS CBR module now being used by both afloat and ashore commands.

The Navy and Marine Corps Internet (NMCI) implementation is underway.

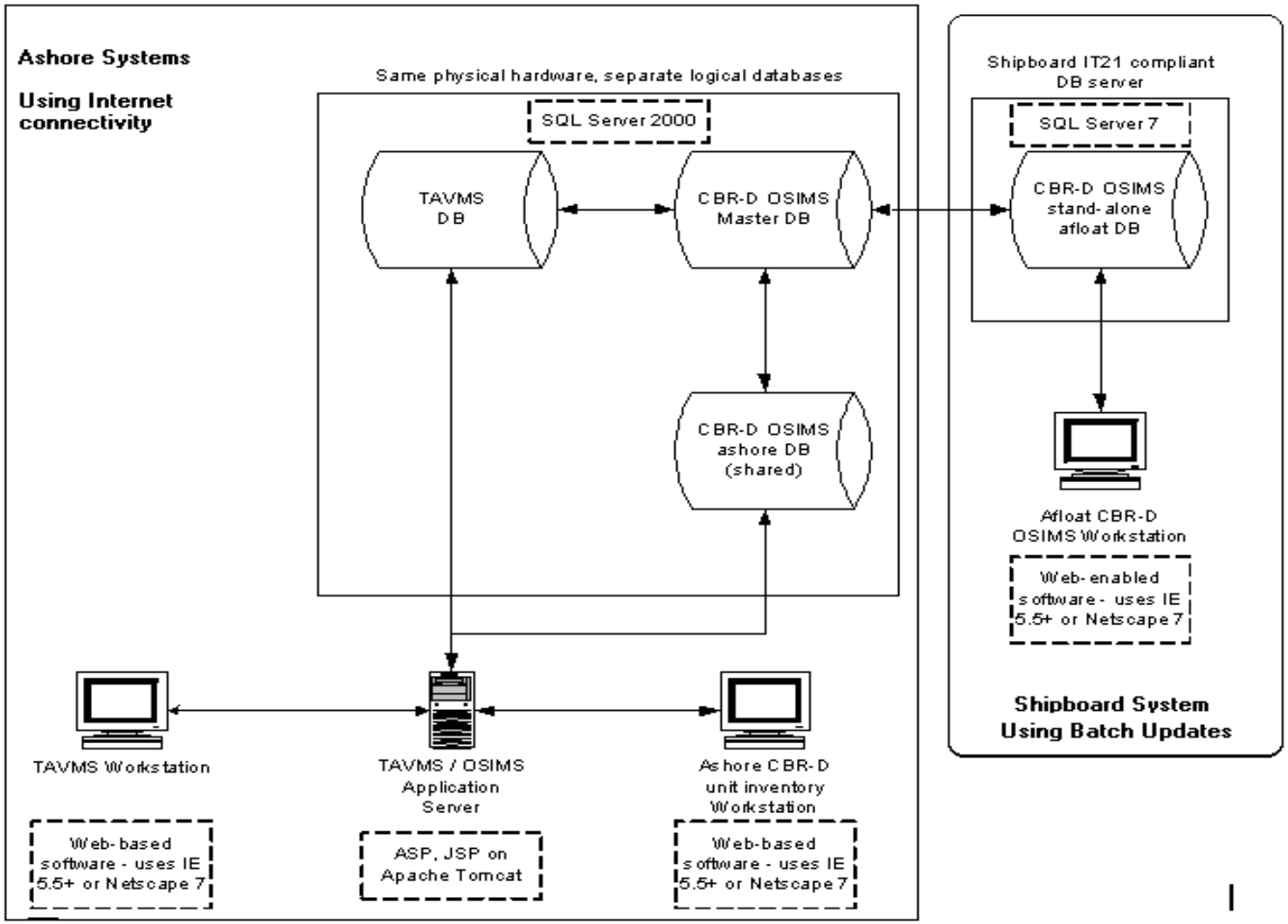
CBR RIP program formalized with a goal of having the entire fleet done in 18 months.



Mar 2003 Initiative undertaken to bring DCOSIMS CBR software into IT-21, NMCI, and Task Force Web compliance, thus allowing continued use of DCOSIMS CBR module for both afloat and ashore users in a true multi-user client / server configuration.

Aug 2003 NMCI Functional Area Manager (FAM) for logistics, disapproves DCOSIMS for ashore use. Shipboard DCOSIMS CBR software grand fathered under IT-21 as Stand-Alone single user system.

July 2003 – CBRD Total Asset Visibility Management System (TAVMS) contract



IT-21/NMCI/TF-Web compliant CBR module to be the ship/shore front end for TAVMS, prototype 17 OCT 2003

The Road Ahead

Shipboard: **Information Technologies for the 21st Century (IT-21). SQL-7 DB is the standard, going to SQL-2000**

Ashore: **a Single Navy and Marine Corps Internet (NMCI) network. FAM process has begun process of getting down to less than 2000 total applications Navy wide.**

The Navy: **Task Force Web Navy Enterprise Portal (NEP), single one stop source for all Navy Enterprise applications. Web based client / server apps the norm.**

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PEO(IT) TFWeb

Navy Enterprise Application Development Guide (NEADG)

VERSION 1.12

February 10, 2003

0.1 Purpose

The purpose of this guide is to provide detailed information and guidance to developers interested in migrating applications, content, and services into the NEP. The guide addresses the following infrastructures: Information Technology for the 21st Century (IT-21), the Base Level Information Infrastructure (BLII), and the Navy and Marine Corps Internet (NMCI). It provides guidance on how to handle legacy applications and build new web applications across these environments with specific emphasis on migrating these applications to a web-based environment that meets the NEP certification.

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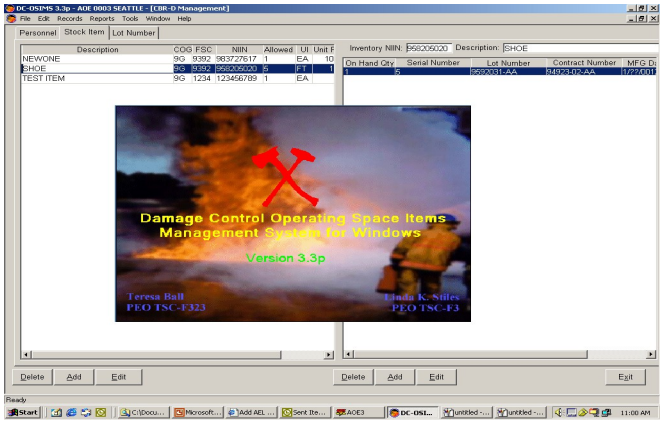
Transformation

From:



SYBASE, Power Builder, Stand Alone, Single User, Not NMCI, TF Web Compliant

To:

ASP, HTML, XML, SQL, Multi User, Client / Server, NMCI, TFWeb, IT-21 Compliant

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(3) Phase approach

Phase (1) – Develop a standalone browser based software package that emulates the existing functionality of the current DCOSIMS (CBR) ver 3.3X with improved Graphical User Interface (GUI) which conforms to the NEADG.

Phase (2) - Develop a true multi user, Client / Server browser based software packaged which uses the shipboard SQL server, provides rollup reporting capabilities and remote updates. Incorporate scanner capability.

Phase (3) Implement a Navy Enterprise Portal (NEP) for CBR software.

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CBR-D IPE RIP Process
USS THACH (FFG 43)


Bar code label application for CBR equipment


JSLIST suit fitting process


Fit Testing MCU2/P with the TDA 99M Mask Leakage Tester


Completed CBR IPE Kit

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CBR Tracking Software

Laser Etched Barcode Serial

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ANSI COMPLIANT BARCODES

- Scanners:
  - Current: Symbol 3100: Linear 128 & 39
  - To Be: Symbol 8146: All Barcodes
- DoD Implemented ANSI MH10.8.2 and MH10.8.3
- Backward Compatible

Shipboard CBR-D Kit

- MCU-2/P Protective Mask w/carrier
- Gloves
- Gloves inserts
- M291 Skin Decontamination Kit
- Boots (foot covers)
- C2/C2A1 canister (QTY-2)
- Mask canister for training
- Canteen w/cover
- Web belt
- ACPG (aka; JSLIST)
- Audio Projection Set (APS), as required by Ship


Completed CBR-D IPE Kit

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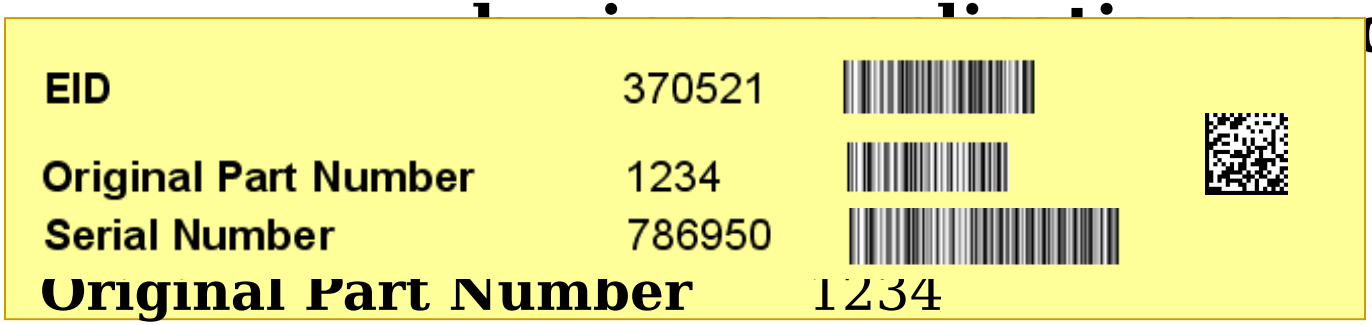
(UID) is.... Unique IDentification

UID is . . .

. . . the set of data for tangible assets that is globally unique and unambiguous, ensures data integrity and data quality throughout life, and supports multi-faceted



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Expeditionary Bag Ground Forces

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Expeditionary Bag (Packed) NSN

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Questions/Comments?